

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER D-225-50
Relating to Exemptions Under Section 27156
of the Vehicle Code

CRANE CAMS, INC.
ROCKER ARMS

Pursuant to the authority vested in the Air Resources Board by Section 27156 of the Vehicle Code; and

Pursuant to the authority vested in the undersigned by Sections 39515 and 39516 of the Health and Safety Code and Executive Order G-45-5;

IT IS ORDERED AND RESOLVED: That the installation of the rocker arms manufactured by Crane Cams, Inc. of 530 Fentress Blvd., Daytona Beach, Florida 32114 has been found not to reduce the effectiveness of the applicable vehicle pollution control system and, therefore, is exempt from the prohibitions of Section 27156 of the Vehicle Code for all 1994 and older General Motors vehicles equipped with a V8 gasoline engine as listed in Exhibit A, excluding the GM 4.6L engine.

This Executive Order is valid provided that installation instructions for these rocker arms will not recommend tuning the vehicle to specifications different from those submitted by the vehicle manufacturer.

Changes made to the design or operating conditions of the rocker arms, as exempt by the Air Resources Board, which adversely affect the performance of a vehicle's pollution control system shall invalidate this Executive Order.

Marketing of these rocker arms using any identification other than that shown in this Executive Order or marketing of these rocker arms for an application other than those listed in this Executive Order shall be prohibited unless prior approval is obtained from the Air Resources Board.

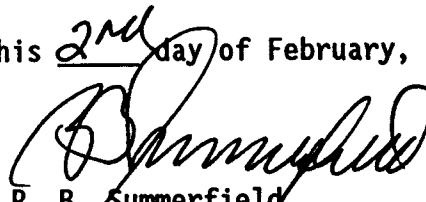
This Executive Order does not constitute any opinion as to the effect the use of the camshaft may have on any warranty either expressed or implied by the vehicle manufacturer.

THIS EXECUTIVE ORDER DOES NOT CONSTITUTE A CERTIFICATION, ACCREDITATION, APPROVAL, OR ANY OTHER TYPE OF ENDORSEMENT BY THE AIR RESOURCES BOARD OF CLAIMS OF THE APPLICANT CONCERNING ANTI-POLLUTION BENEFITS OR ANY ALLEGED BENEFITS OF CRANE CAMS' ROCKER ARMS.

No claim of any kind, such as "Approved by the Air Resources Board" may be made with respect to the action taken herein in any advertising or other oral or written communication.

Violation of any of the above conditions shall be grounds for revocation of this order. The order may be revoked only after ten day written notice of intention to revoke the order, in which period the holder of the order may request in writing a hearing to contest the proposed revocation. If a hearing is requested, it shall be held within ten days of receipt of the request and the order may not be revoked until a determination after hearing that grounds for revocation exist.

Executed at El Monte, California, this 2nd day of February, 1995.



R. B. Summerfield
Assistant Division Chief
Mobile Source Division

EXHIBIT A

Steel Stud-Mount Rocker Arms			
Application	Description	Crane PN	GM PN
GM V-8 262-400 CID	1.6 Ratio 3/8" stud dia	11802-16	
GM V-8 262-400 CID	1.5 Ratio (8 each) and 1.6 Ratio (8 each) 3/8" stud dia	11803-16	
GM V-8 262-400 CID	1.6 Ratio Roller Tip 3/8" stud dia	11807-16	

Die-Cast Aluminum Stud-Mount Rocker Arms			
Application	Description	Crane PN	GM PN
GM V-8 262-400 CID	1.6 Ratio 3/8" stud dia	11746-16	
GM V-8 262-400 CID	1.6 Ratio 7/16" stud dia	11747-16	

Extruded Aluminum Stud-Mount Rocker Arms			
Application	Description	Crane PN	GM PN
GM V-8 262-400 CID	1.6 Ratio Narrow Body, Self-Aligning, 3/8" stud dia	10758-16	
GM V-8 262-400 CID	1.6 Ratio Narrow Body 3/8" stud dia	10759-16	
GM V-8 262-400 CID	1.6 Ratio 3/8" stud dia	11759-16	
GM V-8 262-400 CID	1.6 Ratio 7/16" stud dia	11755-16	12361322
GM V-8 262-400 CID	1.6 Ratio 7/16" stud dia	11768TR-16	
GM V-8 262-400 CID	Variable Ratio (1.5, 1.55, 1.6) 3/8" stud dia	11778-16	
GM V-8 262-400 CID	Variable Ratio (1.5, 1.55, 1.6) 3/8" stud dia	11779-16	
GM V-8 262-400 CID	Variable Ratio (1.5, 1.55, 1.6) 7/16" stud dia	11780-16	

EXHIBIT A

Extruded Aluminum Stud-Mount Rocker Arms			
Application	Description	Crane PN	GM PN
GM V-8 262-400 CID	Variable Ratio (1.5, 1.55, 1.6) 7/16" stud dia	11781-16	
GM V-8 262-400 CID	1.6 Ratio Left and Right Exhaust 7/16" stud dia	11770TR-16	
GM V-8 262-400 CID	1.6 Ratio Left 7/16" stud dia	11770L-1	
GM V-8 262-400 CID	1.6 Ratio Right 7/16" stud dia	11770R-1	
GM V-8 262-400 CID	1.6 Ratio Left 7/16" stud dia	11766L-1	
GM V-8 262-400 CID	1.6 Ratio Right 7/16" stud dia	11766R-1	
GM V-8 262-400 CID	1.6 Ratio Left 7/16" stud dia	11762L-1	
GM V-8 262-400 CID	1.6 Ratio Right 7/16" stud dia	11762R-1	
GM V-8 396-454 CID	1.8 Ratio 7/16" stud dia	13755-16	
GM V-8 396-454 CID	1.8 Ratio 7/16" stud dia	13768TR-16	

Aluminum Pedestal-Mount Rocker Arms			
Application	Description	Crane PN	GM PN
GM V-8 262-400 CID	1.6 Ratio Intake Offset Left	11734L-1	
GM V-8 262-400 CID	1.6 Ratio Intake Offset Right	11734R-1	
GM V-8 262-400 CID	1.55 Ratio Exhaust Offset Left	11737L-1	
GM V-8 262-400 CID	1.55 Ratio Exhaust Offset Right	11737R-1	
GM V-8 262-400 CID	1.6 Ratio Exhaust Offset Left	11738L-1	
GM V-8 262-400 CID	1.6 Ratio Exhaust Offset Right	11738R-1	

EXHIBIT A

Aluminum Shaft-Mount Rocker Arms			
Application	Description	Crane PN	GM PN
GM V-8 396-454 CID	1.75 Ratio Intake Offset Left	13732L-1	
GM V-8 396-454 CID	1.75 Ratio Intake Offset Right	13732R-1	
GM V-8 396-454 CID	1.8 Ratio Intake Offset Left	13733L-1	
GM V-8 396-454 CID	1.8 Ratio Intake Offset Right	13733R-1	
GM V-8 396-454 CID	1.8 Ratio Exhaust	13739-1	